

## ABSTRACT OF THE DISCLOSURE

A recording control apparatus includes a waveform  
rectification section for receiving a digital signal  
5 generated from an analog signal representing information  
reproduced from an information recording medium, and  
rectifying a waveform of the digital signal; a maximum  
likelihood decoding section for performing maximum  
likelihood decoding of the digital signal having the waveform  
10 thereof rectified, and generating a binary signal  
representing a result of the maximum likelihood decoding;  
a reliability calculation section for calculating a  
reliability of the result of the maximum likelihood decoding  
based on the digital signal having the waveform thereof  
15 rectified and the binary signal; and an adjusting section  
for adjusting a shape of a recording signal for recording  
the information on the information recording medium based  
on the calculated reliability.

---